


**HOLEX Pro INOX solid carbide milling cutter HPC, AlCrN, Ø f8 DC: 16mm**

**Order data**

Order number	203021 16
GTIN	4045197773203
Item class	12X

**Description**
**Version:**

HPC milling cutters with **newly developed high-performance coating** for **outstanding tool working life** and **optimum metal removal rates** in a wide range of stainless steels. For use at **high cutting speeds**, particularly suitable even for steels up to approx. 1100 N/mm<sup>2</sup>.

**Technical description**

No. of teeth Z	4
Shank Ø D <sub>s</sub>	16 mm
Corner chamfer width at 45°	0.3 mm
Shank	DIN 6535 HB to h6
Tolerance nominal Ø	f8
Recess Ø D <sub>1</sub>	15.5 mm
Overhang length L <sub>1</sub> incl. recess	58 mm
Feed f <sub>z</sub> for slot milling in stainless steel > 900 N/mm <sup>2</sup>	0.05 mm
Cutting edge Ø D <sub>c</sub>	16 mm
Overall length L	108 mm
Flute length L <sub>c</sub>	48 mm
Feed f <sub>z</sub> for side milling in INOX > 900 N/mm <sup>2</sup>	0.055 mm
Direction of infeed	horizontal, oblique and vertical

Helix angle	35 degrees
Corner chamfer angle	45 degrees
Series	Pro Inox
Coating	AlCrN
Tool material	solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width $a_e$ for milling operation	0.3×D for side milling
Cutting width $a_e$ for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End / face mill

## User data

	Suitability	$V_c$	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable	240 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	220 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	180 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	180 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable only under restricted conditions	150 m/min	P
TOOLOX 33	suitable only under restricted conditions	115 m/min	H
TOOLOX 44	suitable only under restricted conditions	80 m/min	H
INOX < 900 N/mm <sup>2</sup>	suitable	100 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	85 m/min	M

Uni	suitable only under restricted conditions
wet maximum	suitable
wet minimum	Suitable
dry	Suitable only under restricted conditions
Air	Suitable only under restricted conditions